



Mr. Larry Seto
Alameda County Health Care Services Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Subject: GI Trucking Company
1750 Adams Avenue, San Leandro, CA
Quarterly Groundwater Sampling

Dear Mr. Seto:

This documents the quarterly groundwater sampling for the fourth quarter of the fourth year of quarterly groundwater sampling at the subject facility.

Four of the five existing monitoring wells (MW-2 through MW-5, Figure 1) were sampled on August 13, 1992. Well MW-1 contained a phase-separated hydrocarbon layer with a thickness of 0.19 feet. A groundwater sample was not collected from this well.

Three well casing volumes of water were removed from each well prior to sampling. A representative sample was collected from each well using a Teflon[®] bailer and placed in 1-liter amber bottles provided by the laboratory. The Well Purging and Sampling Data forms for all wells are enclosed. The groundwater samples were placed in a cooler with blue ice and delivered via courier to NET Pacific, Inc., a California-certified laboratory.

The groundwater samples were analyzed for Total Petroleum Hydrocarbons (TPH) as diesel using modified EPA Method 8015. As indicated in the enclosed analytical report, TPH as diesel was not detected in samples from monitoring wells MW-2, MW-4, and MW-5 at or above the reporting limit of 0.05 milligrams per liter (mg/l). TPH as diesel was detected at a concentration of 0.20 mg/l in well MW-3. According to NET Pacific, the positive result for the TPH as diesel analysis on this sample appears to be a heavier hydrocarbon than diesel.

TPH as diesel was first detected in the groundwater sample from well MW-3 collected in February 1990, and, except in December 1990, has been detected in all groundwater samples from this well since February 1990, at concentrations ranging from 0.20 mg/l to 1.3 mg/l. TPH as diesel has not been detected in any groundwater samples from wells MW-2, MW-4, and MW-5. Blymyer Engineers will continue to

Mr. Larry Seto
Alameda County Health Care Services Agency

September 16, 1992
Page 2

perform quarterly groundwater sampling for wells MW-2 through MW-5 for another quarter.

If you have any questions, please call us (510) 521-3773.

Cordially,

Blymyer Engineers, Inc.



John Morrison
Geologist



Harry Short, R.G., C.E.G.
Senior Geologist

Enclosures

cc: Mr. Eddy So, RWQCB
Mr. Mike Bakaldin, San Leandro Fire Department
Mr. Curtis Carr, Carolina Freight Carriers Corporation
Mr. Bob Hogencamp, GI Trucking Company
Mr. Tom McGuire, GI Trucking Company

jmo\882883rd.qtr





MW-4

12,000 gal. diesel tank

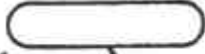
12,000 gal. diesel tank

12,000 gal. diesel tank

12,000 gal. diesel tank

MW-3

Former Location of Waste Oil Tank



Pump Island



MW-2

Excavation

MW-5

MAINTENANCE BUILDING

LEGEND

-  GROUNDWATER MONITORING WELL
-  UNDERGROUND FUEL STORAGE TANK



SCALE IN FEET

REV	DESCRIPTION	DATE BY
BLYMYER ENGINEERS, INC ALAMEDA, CALIFORNIA		
SCALE SHOWN	FOR	
DATE LW 3/91	GI TRUCKING	
	1750 ADAMS AVE.	
	SAN LEANDRO, CA	
APPROVED	TITLE	
	SITE PLAN	
JOB 88288	PAGE NO.	FIGURE 1

WELL PURGING AND SAMPLING DATA

DATE 8/13/92 PROJECT NUMBER 88288 PROJECT NAME GI TRUCKING
 WELL NUMBER MW-1 BORING DIAMETER N/A CASING DIAMETER 12"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>5.93 FT</u>	Gallon per foot of casing	=	<u>N/A</u>
Depth to water	<u>6.12 FT</u>	Column of water	x	<u> </u>
Total depth of well	<u>N/A</u>	Volume of casing	=	<u> </u>
Column of water	<u>N/A</u>	Number of volumes to remove	x	<u> </u>
		Total volume to remove	=	<u>N/A</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE

Method of purging well N/A rate N/A

Method of decon ALCONOX AND DISTILLED WATER-TRIPLE RINSE

Physical appearance of water (clarity, color, particulates, odor)
 Initial N/A
 During
 Final

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>N/A</u>	<u> </u>	<u> </u>
Temperature (F)	<u> </u>	<u> </u>	<u> </u>
Conductivity (us/cm)	<u> </u>	<u> </u>	<u> </u>
Ph	<u> </u>	<u> </u>	<u> </u>

Method of measurement N/A

Total volume purged N/A

Comments OBTAIN THICKNESS OF FREE PRODUCT LAYER ONLY.
PRODUCT THICKNESS = 0.19 FT

Sample Number N/A Amount of Sample N/A

Signed/Sampler Steph W. Moore Date 8/13/92
 Signed/Reviewer John C. Morris Date 9-8-92

WELL PURGING AND SAMPLING DATA

DATE 8/13/92 PROJECT NUMBER 88288 PROJECT NAME GI TRUCKING
 WELL NUMBER MW-2 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17 GAL/FT</u>
Depth to water	<u>6.42 FT</u>	Column of water	x	<u>16.83 FT</u>
Total depth of well	<u>23.25 FT</u>	Volume of casing	=	<u>2.9 GAL</u>
Column of water	<u>16.83 FT</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>8.7 GAL</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE

Method of purging well TEFLON BAILER rate N/A

Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)

Initial CLEAR, NO ODOR

During SLIGHTLY SILTY, GRAY COLOR, NO ODOR

Final SLIGHTLY SILTY, GRAY COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>10:50</u>	<u>11:00</u>	<u>11:05</u>
Temperature (F)	<u>68.2</u>	<u>67.9</u>	<u>67.4</u>
Conductivity (us/cm)	<u>758</u>	<u>776</u>	<u>761</u>
Ph	<u>8.14</u>	<u>8.05</u>	<u>8.00</u>

Method of measurement HYDAC METER

Total volume purged 9.0 GALLONS

Comments _____

Sample Number MW-2 Amount of Sample 3 - 1 L AMBER BOTTLES

Signed/Sampler *Stephen W. Moore* Date 8/13/92
 Signed/Reviewer *Joe C. Morris* Date 9.8.92

WELL PURGING AND SAMPLING DATA

DATE 8/13/92 PROJECT NUMBER 88288 PROJECT NAME GI TRUCKING
 WELL NUMBER MW-3 BORING DIAMETER _____ CASING DIAMETER 2"

Column of Liquid in Well Volume to be Removed

Depth to product N/A Gallon per foot of casing = 0.17 GAL/FT

Depth to water 6.32 FT Column of water x 16.43 FT

Total depth of well 22.75 FT Volume of casing = 2.8 GAL

Column of water 16.43 FT Number of volumes to remove x 3

Method of measuring liquid OIL/WATER INTERFACE PROBE Total volume to remove = 8.4 GAL

Method of purging well TEFLON BAILER rate N/A

Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)
CLEAR, NO ODOR

Initial _____

During SLIGHTLY SILTY, GRAY COLOR, NO ODOR

Final SLIGHTLY SILTY, GRAY COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>		<u>Final</u>
Time	<u>11:55</u>	<u>11:58</u>	<u>12:01</u>	<u>12:05</u>
Temperature (F)	<u>73.1</u>	<u>72.6</u>	<u>72.1</u>	<u>70.4</u>
Conductivity (us/cm)	<u>777</u>	<u>790</u>	<u>827</u>	<u>884</u>
Ph	<u>8.21</u>	<u>7.97</u>	<u>7.87</u>	<u>7.73</u>

Method of measurement HYDAC METER

Total volume purged 9.0 GALLONS

Comments _____

Sample Number MW-3 Amount of Sample 3 - 1 L AMBER BOTTLES

Signed/Sampler Steph W Moore Date 8/13/92

Signed/Reviewer J.C. Morris Date 9-8-92

WELL PURGING AND SAMPLING DATA

DATE 8/13/92 PROJECT NUMBER 88288 PROJECT NAME GI TRUCKING
 WELL NUMBER MW-4 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17</u> GAL/FT
Depth to water	<u>5.40</u> FT	Column of water	x	<u>17.39</u> FT
Total depth of well	<u>22.79</u> FT	Volume of casing	=	<u>3.0</u> GAL
Column of water	<u>17.39</u> FT	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>9</u> GAL

Method of measuring liquid OIL/WATER INTERFACE PROBE

Method of purging well TEFLON BAILER rate N/A

Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)
CLEAR, NO ODOR

Initial _____
 During SLIGHTLY SILTY, TAN COLOR, NO ODOR
 Final SLIGHTLY SILTY, TAN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>		<u>Final</u>
Time	<u>08:55</u>	<u>09:00</u>	<u>09:10</u>	<u>09:20</u>
Temperature (F)	<u>72.2</u>	<u>70.8</u>	<u>70.5</u>	<u>70.3</u>
Conductivity (us/cm)	<u>812</u>	<u>813</u>	<u>813</u>	<u>813</u>
Ph	<u>8.80</u>	<u>8.44</u>	<u>8.21</u>	<u>8.07</u>

Method of measurement HYDAC METER

Total volume purged 9.0 GALLONS

Comments _____

Sample Number MW-4 Amount of Sample 3 - 1 L AMBER BOTTLES

Signed/Sampler *Steph W Moore* Date 8/13/92

Signed/Reviewer *for C. Harris* Date 9.8.92

WELL PURGING AND SAMPLING DATA

DATE 8/13/92 PROJECT NUMBER 88288 PROJECT NAME GI TRUCKING
 WELL NUMBER MW-5 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17 GAL/FT</u>
Depth to water	<u>5.62 FT</u>	Column of water	x	<u>16.63 FT</u>
Total depth of well	<u>22.25 FT</u>	Volume of casing	=	<u>2.8 GAL</u>
Column of water	<u>16.63 FT</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>8.4 GAL</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE

Method of purging well TEFLON BAILER rate N/A

Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)

Initial CLEAR, NO ODOR

During SLIGHTLY SILTY, TAN COLOR, NO ODOR

Final SLIGHTLY SILTY, TAN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>10:00</u>	<u>10:05</u>	<u>10:15</u>
Temperature (F)	<u>71.9</u>	<u>70.8</u>	<u>70.8</u>
Conductivity (us/cm)	<u>874</u>	<u>871</u>	<u>890</u>
Ph	<u>8.19</u>	<u>8.11</u>	<u>8.06</u>

Method of measurement HYDAC METER

Total volume purged 8.5 GALLONS

Comments _____

Sample Number MW-5 Amount of Sample 3 - 1 L AMBER BOTTLES

Signed/Sampler Steph W Moore Date 8/13/92

Signed/Reviewer Ja C. Morris Date 9-8-92



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

John Morrison
Carolina Freight Carriers
c/o Blymyer Engineers, Inc
1829 Clement Ave.
Alameda, CA 94501


Date: 08/28/1992
NET Client Acct. No: 61900
NET Pacific Job No: 92.4529
Received: 08/15/1992

Client Reference Information

GI Trucking San Leandro CA/88288

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skamarack
Laboratory Manager

Enclosure(s)



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.4529

Date: 08/28/1992
Page: 2

Ref: GI Trucking San Leandro CA/88288

SAMPLE DESCRIPTION: MW-4
Date Taken: 08/13/1992
Time Taken: 09:35
LAB Job No: (-133354)

<u>Parameter</u>	<u>Method</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			08-20-92	
DATE ANALYZED			08-25-92	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.4529

Date: 08/28/1992
Page: 3

Ref: GI Trucking San Leandro CA/88288

SAMPLE DESCRIPTION: MW-5
Date Taken: 08/13/1992
Time Taken: 10:30
LAB Job No: (-133355)

<u>Parameter</u>	<u>Method</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
METHOD 3510 (GC, FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			08-20-92	
DATE ANALYZED			08-25-92	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.4529

Date: 08/28/1992
Page: 4

Ref: GI Trucking San Leandro CA/88288

SAMPLE DESCRIPTION: MW-2
Date Taken: 08/13/1992
Time Taken: 11:20
LAB Job No: (-133356)

<u>Parameter</u>	<u>Method</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			08-20-92	
DATE ANALYZED			08-25-92	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.4529

Date: 08/28/1992
Page: 5

Ref: GI Trucking San Leandro CA/88288

SAMPLE DESCRIPTION: MW-3
Date Taken: 08/13/1992
Time Taken: 12:15
LAB Job No: (-133357)

<u>Parameter</u>	<u>Method</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			08-20-92	
DATE ANALYZED			08-25-92	
as Diesel	3510	0.05	0.20**	mg/L

** The positive result for Petroleum Hydrocarbons as Diesel appears to be due to the presence of heavier hydrocarbon rather than Diesel.



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.4529

Date: 08/28/1992
Page: 6

Ref: GI Trucking San Leandro CA/88288

QUALITY CONTROL DATA

<u>Parameter</u>	<u>Reporting Limits</u>	<u>Units</u>	<u>Cal Verf Stand % Recovery</u>	<u>Blank Data</u>	<u>Spike % Recovery</u>	<u>Duplicate Spike % Recovery</u>	<u>RPD</u>
Diesel	0.05	mg/L	98	ND	91	104	13

COMMENT: Blank Results were ND on other analytes tested.



KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition, APHA, 1989.



8165

CHAIN OF CUSTODY RECORD

JOB #		PROJECT NAME/LOCATION				# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020)	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	HOLD	TURNAROUND TIME: <u>10</u> DAY(S)	
SAMPLERS (SIGNATURE)														REMARKS:	
DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION											
88288	GI Trucking / San Leandro CA														
Steph W Moore															
8/13/92	08:40		X	BB-1	3								X		
8/13/92	09:35		X	MW-4	3	X									
8/13/92	10:30		X	MW-5	3	X									
8/13/92	11:20		X	MW-2	3	X									
8/13/92	12:15		X	MW-3	3	X									
<p>(CUSTODY SEALED 8/19/92) @ 1900 MW seal intact</p>															
REQUESTED BY: John Morrison						RESULTS AND INVOICE TO: Carolina Freight Carriers Corp c/o Blymyer Engineers Inc.									
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)					
Steph W Moore		8/14/92 12:30pm		Mike Tovarri		Mike Tovarri		8/14/92 1400							
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE / TIME		REMARKS:							
L. V. N. S.				K. Kump		8/15/92 0700									